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- 1846 ***H. pylori* and Reflux Esophagitis in Turkish Patients Living in the Zaanstreek Region in The Netherlands.** R.J.L.F. Loffeld
- 1850 **Stimulation by Capsaicin of Duodenal HCO₃ Secretion via Afferent Neurons and Vanilloid Receptors in Rats: Comparison with Acid-Induced HCO₃ Response.** S. Kagawa, M. Aoi, Y. Kubo, T. Kotani, and K. Takeuchi
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- 1914 **Characteristics of Upper Abdominal Pain in Those with Chronic Liver Disease.** T.R. Riley III and K. Koch
- 1919 **LETTER: Should Octreotide be used Cautiously in Liver Cirrhosis with Concomitant Congestive Heart Failure Correlated to Coronary Artery Disease?** P. Sorrentino, G. Tarantino, P. Conca, and A. Perrella
- 1920 **Hepatitis B Virus Gene in Liver Tissue Promotes Hepatocellular Carcinoma Development in Chronic Hepatitis C Patients.** S.-I. Fujioka, H. Shimomura, Y. Iwasaki, K. Fujio, H. Nakagawa, Y. Onishi, S. Takagi, H. Taniguchi, F. Umeoka, H. Nakajima, A. Moriya, K. Nanba, C.-Y. Piao, T. Shinji, N. Koide, and Y. Shiratori
- 1925 **CASE REPORT: The Irony of Herbal Hepatitis: Ma-Huang-Induced Hepatotoxicity Associated with Compound Heterozygosity for Hereditary Hemochromatosis.** J. Bajaj, J.F. Knox, R. Komorowski, and K. Saeian
- 1929 **Effect of Acute Ethanol Exposure on Hepatic Stimulator Substance (HSS) Levels During Liver Regeneration: Protective Function of HSS.** G.D. Liatsos, M.G. Mykoniatis, A. Margeli, A.A. Liakos, and S.E. Theocharis

• Diagnostic and Interventional Technique

- 1939 **Serial Percutaneous Liver Biopsies in Laboratory Rats.** I.R. Corbin and G.Y. Minuk

• Pancreatic and Biliary Disorders

- 1944 **Lack of Cholecystokinin-A Receptor Enhanced Gallstone Formation: A Study in CCK-A Receptor Gene Knockout Mice.** N. Sato, K. Miyasaka, S. Suzuki, S. Kanai, M. Ohta, T. Kawanami, Y. Yoshida, S. Takiguchi, T. Noda, Y. Takata, and A. Funakoshi
- 1948 **CASE REPORT: Esophagogastric Varices Due to Arteriportal Shunt in a Serous Cystadenoma of the Pancreas in von Hippel-Lindau Disease.** M. Okuyama, Y. Fujiwara, T. Hayakawa, M. Shiba, T. Watanabe, K. Tominaga, A. Tamori, N. Oshitani, K. Higuchi, T. Matsumoto, K. Nakamura, K. Wakasa, K. Hirohashi, S. Ashida, T. Shuin, and T. Arakawa
- 1955 **Preoperative Antimicrobial Administration for Prevention of Postoperative Infection in Patients with Laparoscopic Cholecystectomy.** K. Uchiyama, M. Kawai, H. Onishi, M. Tani, H. Kinoshita, M. Ueno, and H. Yamaue
- 1960 **Acute Acalculous Cholecystitis Associated with Systemic Sepsis and Visceral Arterial Hypoperfusion: A Case Series and Review of Pathophysiology.** J.A. McChesney, P.G. Northup, and S.J. Bickston
- 1968 **CASE REPORT: A Case of Autoimmune Pancreatitis Complicated with Immune Thrombocytopenia during Maintenance Therapy with Prednisolone.** A. Nakamura, H. Funatomi, A. Katagiri, K. Katayose, K. Kitamura, T. Seki, F. Yamamura, Y. Aoyagi, H. Nishida, and K. Mitamura

• Gastrointestinal Oncology

- 1972 **Coexpression of IGF-1R and c-Src Proteins in Human Pancreatic Ductal Adenocarcinoma.** A. Hakam, Q. Fang, R. Karl, and D. Coppola
- 1979 **CASE REPORT: Acute Pancreatitis Induced by Diffuse Pancreatic Invasion of Adult T-cell Leukemia/Lymphoma Cells.** A. Mori, Y. Kikuchi, S. Motoori, J. Watanabe, M. Shinozaki, and M. Eguchi
- 1984 **Detection of p53 Gene Mutations by Nonisotopic RNase Cleavage Assay as a Predictor of Poor Prognosis in Colorectal Cancers.** M. Haseba, S. Hidaka, T. Tsuji, H. Yano, H. Komatsu, T. Sawai, T. Yasutake, T. Nakagoe, Y. Tagawa, and H. Ayabe
- 1990 **Potential Role of bcl-2 and Ki-67 Expression and Apoptosis in Colorectal Carcinoma: A Clinicopathologic Study.** C.D. Scopa, A.C. Tsamandas, V. Zolota, H.P. Kalofonos, A. Batistatou, and C. Vagianos
- 1998 **Rofecoxib Reduces Polyp Recurrence in Familial Polyposis.** A. Hallak, L. Alon-Baron, R. Shamir, M. Moshkowitz, B. Bulvik, E. Brazowski, Z. Halpern, and N. Arber
- 2003 **CASE REPORT: Inflammatory Pseudotumor of Lymph Nodes with Focal Infiltration in Liver and Spleen.** F.J. Miras-Parra, J. Parra-Ruiz, M. Gómez-Morales, F.J. Gómez-Jiménez, and J. de la Higuera-Torres-Puchol
- 2005 **Influence of COX-2 Inhibition by Rofecoxib on Serum and Tumor Progastrin and Gastrin Levels and Expression of PPAR γ and Apoptosis-Related Proteins in Gastric Cancer Patients.** P.C. Konturek, S.J. Konturek, W. Bielanski, J. Kania, M. Żuchowicz, A. Hartwich, J.F. Rehfeld, and E.G. Hahn
- 2018 **CASE REPORT: *Helicobacter*-Independent, Chemotherapy-Resistant, Radiosensitive Gastric MALT Lymphoma with Massive Deposits of Amyloidlike Substance.** H. Matsumoto, H. Koga, M. Iida, H. Suekane, K.-I. Tarumi, K. Hoshika, Y. Mikami, and K. Haruma

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